

ASSIGNMENT

WHEREAS, I/we:

(name/citizenship/address):

Dr. Thorsten Matthée, German citizen  
Pappelweg 19, D-38527 Meine, Germany

- and -

Rolf Six, German citizen  
Am Trotz 9, D-24558 Henstedt-Ulzburg, Germany

- and -

Alexander Hampel, German citizen  
Madamenweg 137, D-38118 Braunschweig, Germany

(hereinafter ASSIGNOR(S)), having invented certain new and useful improvements in:

(title) Apparatus and method for coating a substrate by  
means of a chemical gas phase separation process

for which an application for United States Letters Patent was executed concurrently herewith:

WHEREAS, (name/citizenship/address):

Fraunhofer-Gesellschaft zur Förderung der angewandten  
Forschung e.V. (German company)  
Leonrodstraße 54, D-80636 München, Germany

20086190-022002

(hereinafter ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any U.S. Letters Patent that may be granted therefor;

NOW, THEREFORE, in consideration of the sum of One U.S. Dollar to me/us in hand paid, the receipt whereof is hereby acknowledged, and other good and valuable consideration, said ASSIGNOR(S), has sold, assigned, and transferred, and by these presents does coll, assign and transfer unto said ASSIGNEE the full and exclusive right to the said invention in the United States and its territorial possessions, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all divisions, reissues, continuations and extensions thereof.

The undersigned hereby authorizes and requests the U.S. Patent and Trademark Office to issue any and all of said Letters Patent, when granted, to said ASSIGNEE, for the sole use and enjoyment of said ASSIGNEE, its heirs, successors and assigns.

The undersigned further agrees that he/she will communicate to said ASSIGNEE or its representative any facts known to it respecting said invention, and will testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, substitutions, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE to obtain and enforce proper protection for said invention in the United States.

The undersigned hereby grants the law firm of Salter, Michaelson & Benson the power to insert on this assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Dated: 15. January 1998

By:

Dr. Thorsten Matthäa  
(Dr. Thorsten Matthäa)

Dated: 17. January 1998

By

Rolf Six  
(Rolf Six)

Dated: 15. January 1998

By

Alexander Hampel  
(Alexander Hampel)

10086190-022802

## List of references

|    |                         |
|----|-------------------------|
| 01 | apparatus               |
| 02 | half-shell              |
| 03 | half-shell              |
| 04 | short-circuiting ring   |
| 05 | filaments               |
| 06 | filament retaining ring |
| 07 | screws                  |
| 08 | filament retainer       |
| 09 | clamping ring           |
| 10 | screws                  |
| 11 | power supply lead       |
| 12 | power supply lead       |
| 13 | tapered wall            |
| 14 | tapered wall            |
| 15 | tool                    |
| 16 | filament retainer       |
| 17 | filaments               |
| 18 | holder                  |
| 19 | holder                  |
| 20 | power supply lead       |
| 21 | power supply lead       |
| 22 | tool                    |
| 23 | radiation screen        |
| 24 | holder                  |
| 25 | slot                    |
| 26 | filaments               |
| 27 | projection              |
| 28 | tool                    |
| 29 | inner row               |
| 30 | outer row               |

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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APRIL 06, 1998

SALTER & MICHAELSON  
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PROVIDENCE, RI 02903

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SALTER & MICHAELSON

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/20/1998

REEL/FRAME: 8959/0157  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MATTHEE, THORSTEN DR. (GERMAN  
CITIZEN)

DOC DATE: 01/15/1998

ASSIGNOR:

SIX, ROLF (GERMAN CITIZEN)

DOC DATE: 01/17/1998

ASSIGNOR:

HAMPEL, ALEXANDER (GERMAN CITIZEN)

DOC DATE: 01/15/1998

ASSIGNEE:

FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG  
E.V. (GERMAN COMPANY)  
LEONRODSTRASSE 54  
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SERIAL NUMBER: 09009394  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SEDLEY PYNE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

2025-01-20 10:00 AM

Assignment Transmittal Form  
Applicant: MATTHEE, T. et al.  
Serial No. : Unassigned  
Page 2 of 3

Jc135 U.S. PTO  
09/009394  
01/20/98

4. Patent or patent application number(s):

- ☒ If this document is being filed together with a new application, the execution date of the application is: Dr. T. Matthee, 15 January 1998  
R. Six, 17 January 1998  
A. Hampel, 15 January 1998

Entitled: APPARATUS AND METHOD FOR COATING A  
SUBSTRATE BY MEANS OF A CHEMICAL GAS PHASE  
SEPARATION PROCESS

- A. Patent Application No.(s):  
B. Patent No.(s):

5. Name and address of party to whom correspondence concerning document should be mailed:

SALTER & MICHAELSON  
321 South Main Street  
Providence RI 02903  
Tel: 401/421-3141 Fax : 401/861-1953

6. Total number of patent(s) and patent application(s) involved: 1

7. Total fee (37 CFR 3.41) in the amount of \$ 40.00

☒ is enclosed.

☐ PTO is authorized to charge to Deposit Account No. 19-0120 (duplicate attached).

☒ PTO is authorized to charge any uncalculated fees or credit any overpayment to Deposit Account No. 19-0120 (duplicate attached).

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: January 20, 1998

  
Donna L. Engle

Total number of pages: 4

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02-19-1998



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09/009394  
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**Patent Assignment  
Transmittal Form**

January 20, 1998

Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
Attention: Assignment Branch

1. Name and address of conveying party(ies):

Dr. Thorsten Matthee (German citizen)  
Pappelweg 19, D-38527 Meine, Germany

Rolf Six (German citizen)  
Am Trotz 9, D-24558 Henstedt-Ulzburg, Germany

Alexander Hampel (German citizen)  
Madamenweg 137, D-38118 Braunschweig, Germany

09/009,394

2. Name and address of receiving party(ies):

Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V.  
(German company)  
Leonrodstrasse 54, D-80636 Munchen, Germany

02/17/1998 TTUBBS 00000118 09009394  
02 FC:581 40.00 00

3. Nature of conveyance:

- ☒ Assignment
- ☐ Security Agreement
- ☐ Merger
- ☐ Change of Name
- ☐ Other:

Execution date: Dr. T. Matthee, 15 January 1998  
R. Six, 17 January 1998  
A. Hampel, 15 January 1998